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**EAN CODE**



## The most powerful Digital Signage Multimediaplayer

**Rockchip RK3588, HDMI 2.1, WLAN AX 2,4/5GHz, 4K, USB 3.1**

Our new Multimediaplayer is a small, very powerful player with **Android 12 or also with Linux**. The player is usable as TV Box as well as Digital Signage Mediaplayer and MiniPC. The RK3588 is the currently most powerful ARM Prozessor and is on the level of an Intel Core i5 and is up to 10x faster than an RK3399.

The connection to the Appstore of Google gives you access to millions of Apps.

The player can be connected with suitable displays up to **4K/8K resolution** and display. With its **4/8/16GB DDR4 RAM** the player has a **very high performance** in video playback and the memory is less full than with the 2GB variants. The **32/64/128/256 GB SSD** offers enough space to store Digital Signage Content offline.

A digital SPDIF Audio output via a Cinema Sound system provides the best movie experience. The control can be done via an optional keyboard and mouse or via the remote control included in the delivery.

Models:

DS5Pro-4GB/32GB  
DS5Pro-4GB/64GB  
DS5Pro-8GB/32GB  
DS5Pro-8GB/64GB  
DS5Pro-8GB/128GB  
DS5Pro-16GB/128GB  
DS5Pro-16GB/256GB



**Packaging content:**

1 x 12V Power Supply  
1 x HDMI® Cable  
1 x User Manual + Color Box  
1 x RK3588 Player  
1 x Remote Control

**Dimensions: 116x116x45mm**

| Processor                   | Rockchip RK3588                   | Rockchip RK3399                   |
|-----------------------------|-----------------------------------|-----------------------------------|
| Market (main)               | Single-board computer             | Single-board computer             |
| ISA                         | ARMv8-A (64-bit)                  | ARMv8-A (64-bit)                  |
| Microarchitecture           | Cortex-A76, Cortex-A55            | Cortex-A72, Cortex-A53            |
| Family                      | RK3500                            | RK3300                            |
| Part number(s), S-Spec      | RK3588                            | RK3399(K), RK3399 K               |
| Release date                | Q4 2021                           | Q1 2016                           |
| Lithography                 | 8 nm LP                           | 28 nm HKMG                        |
| Cores                       | 8                                 | 6                                 |
| Threads                     | 8                                 | 6                                 |
| Base frequency              | 1,8 GHz                           | 1,5 GHz                           |
| Turbo frequency             | 2,4 GHz                           | 2,0 GHz                           |
| Energy cores                | 4x ARM Cortex-A55 @ 1,8 GHz       | 4x ARM Cortex-A53 @ 1,5 GHz       |
| High performance cores      | 4x ARM Cortex-A76 @ 2,4 GHz       | 2x ARM Cortex-A72 @ 2,0 GHz       |
| Cache memory                | 3 MB                              | 1,512 MB                          |
| Max memory capacity         | 32 GB                             | 4 GB                              |
| Memory types                | LPDDR4, LPDDR4X, LPDDR5           | LPDDR3-1866,<br>LPDDR4 SDRAM      |
| Max PCIe lanes              | 4                                 | 4                                 |
| TDP                         | 12 W                              | 7 W                               |
| GPU integrated graphics     | <a href="#">ARM Mali-G610 MP4</a> | <a href="#">ARM Mali-T860 MP4</a> |
| GPU execution units         | 4                                 | 4                                 |
| GPU shading units           | 64                                | 64                                |
| GPU clock                   | 600 MHz                           | 600 MHz                           |
| GPU FP32 floating point     | 610,6 GFLOPS                      | 81,6 GFLOPS                       |
| Socket                      | SoC                               | SoC                               |
| Drystone MIPS               | 131.342 DMIPS                     | 32.600 DMIPS                      |
| AI accelerator              | AI Accelerator, NPU 3.0           | -                                 |
| AI computing operations per | 6 TOPS                            | -                                 |

|                                                          |                                             |                                                        |
|----------------------------------------------------------|---------------------------------------------|--------------------------------------------------------|
| seconds                                                  |                                             |                                                        |
| Crypto engine                                            | -                                           | AES 128/192/256, DES/3DES, SHA1/SHA256/MD5, PRNG, TRNG |
| Security                                                 | -                                           | Trustzone                                              |
| Max display resolution                                   | 8K@60fps                                    | 4K@60fps                                               |
| Video decoding                                           | H.265/H.264 8K@60fps, 4K@120fps             | H.265/H.264 4K@60fps                                   |
| Video encoding                                           | H.265/H.264 8K@30fps                        | H.264 1080p@30fps                                      |
| Max camera ISP                                           | 24 MP + 24 MP                               | -                                                      |
| Max video capture                                        | Dual MIPI-CSI                               | -                                                      |
| Modem                                                    | 1000Mbps RJ45 Ethernet                      | 10/100/1000M Ethernet                                  |
| Connectivity                                             | USB 2.0, USB 3.1 Type-C, HDMI 2.1, PCIe 3.0 | HDMI 2.0, USB 2.0, USB 3.0                             |
| Wi-Fi                                                    | Wi-Fi 2.4GHz/5GHz                           | -                                                      |
| Bluetooth                                                | Bluetooth 4.2                               | -                                                      |
| Audio                                                    | PDM                                         | I2S, PCM, SPDIF                                        |
| PassMark CPU Mark                                        | 6.124                                       | 1.378                                                  |
| (Android 64-bit) Geekbench 4 single core                 | 2.423                                       | 1.144                                                  |
| (Android 64-bit) Geekbench 4 multi-core                  | 8.162                                       | 2.776                                                  |
| (Android) Geekbench 5 single core                        | 508                                         | 269                                                    |
| (Android) Geekbench 5 multi-core                         | 2.235                                       | 615                                                    |
| (SGEMM) GFLOPS performance                               | 72,1 GFLOPS                                 | 23,9 GFLOPS                                            |
| (Multi-core / watt performance) Performance / watt ratio | 680 pts / W                                 | 397 pts / W                                            |

## Attributes

| Attribute                    | Value      |
|------------------------------|------------|
| Alternative Betriebssysteme: | Linux;     |
| Arbeitsspeicher (RAM):       | 16         |
| Betriebssystem:              | Android 12 |



Part No.: 213055  
Vendor Part No.: ALL-DS5Pro-16128

| Attribute        | Value        |
|------------------|--------------|
| Bluetooth:       | ja           |
| Chipset:         | RK3588       |
| Einsatzbereiche: | indoor       |
| Farbe Gehäuse:   | schwarz      |
| Hauptspeicher:   | 128          |
| Kamera:          | nein         |
| Mobilfunk:       | nein         |
| Stromversorgung: | Netzteil     |
| Weight:          | 0.37 Kg      |
| Warranty:        | 12.00 Months |

## Accessories

| Part No. | Name                                                                                      |
|----------|-------------------------------------------------------------------------------------------|
| 210354   | ALLNET PoE Splitter-Mini/Extractor / Gigabit / 24W / 5V/12V Switchable / ALL-PS102G-AF-AT |
| 214123   | ALLNET Air Mouse G10 Pro Remote Control 2.4GHz USB Dongle with Infrared                   |